1st Source Lighting

LED PANEL DOORFRAME RETROFIT KIT

2'x4' LED panel doorframe kit, 30, 40 and 50W,
120-277V input, 0-10V dimming

PRODUCT FEATURES

- Used to Upgrade existing 2x4 fluorescent recessed troffer, without modifying existing fixture mounting.
- CCT Selectable (3500K, 4000K, or 5000K)
- Wattage Selectable (50W, 40W, or 30W)
- Construction features precise optical lenses over each individual LED, offering optimal light diffusion and consistent surface illumination, with no risk of yellowing over product lifetime

- Powered by 0-10V Dimming LED Driver
- Suitable for damp locations
- Over 50% energy savings compared to traditional fluorescent troffers
- Operating temp range -20ºC/-4ºF to 40ºC/104ºF

UL LISTED c·us · DLC LISTED · 5 YEAR WARRANTY
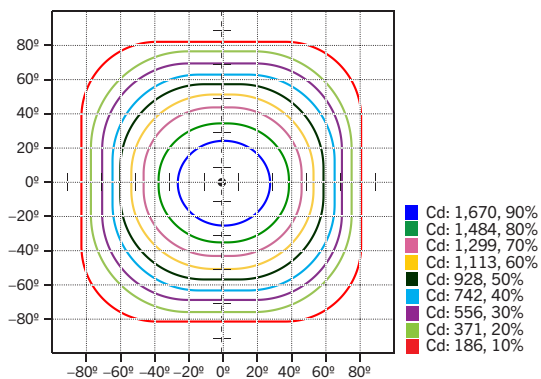
PERFORMANCE SPECIFICATIONS

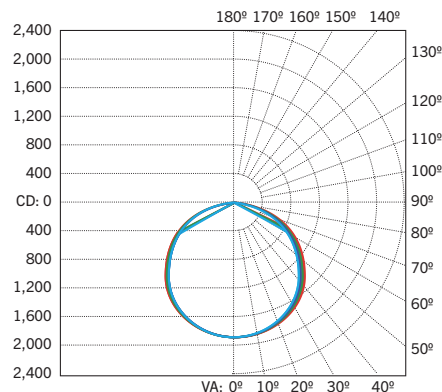| Catalog Number	Input Voltage	Wattage	Color Temperature	Lumen Output	CRI	Power Factor	Efficacy	Lifetime
1ST-R-PDK-24-50W-PS	120-277V	50W	3500K	5,500	>80	>0.9	110 lm/W	50,000 Hours
			4000K	5,600			112 lm/W	
			5000K	5,600			112 lm/W	
	120-277V	40W	3500K	4,400			110 lm/W	
			4000K	4,500			113 lm/W	
			5000K	4,500			113 lm/W	
	120-277V	30W	3500K	3,300			110 lm/W	
			4000K	3,400			113 lm/W	
			5000K	3,400			113 lm/W	

ONE CATALOG NUMBER WITH 9 DIFFERENT OPTIONS

* Preset to highest lumen output (50W / 5000K)
* Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017.
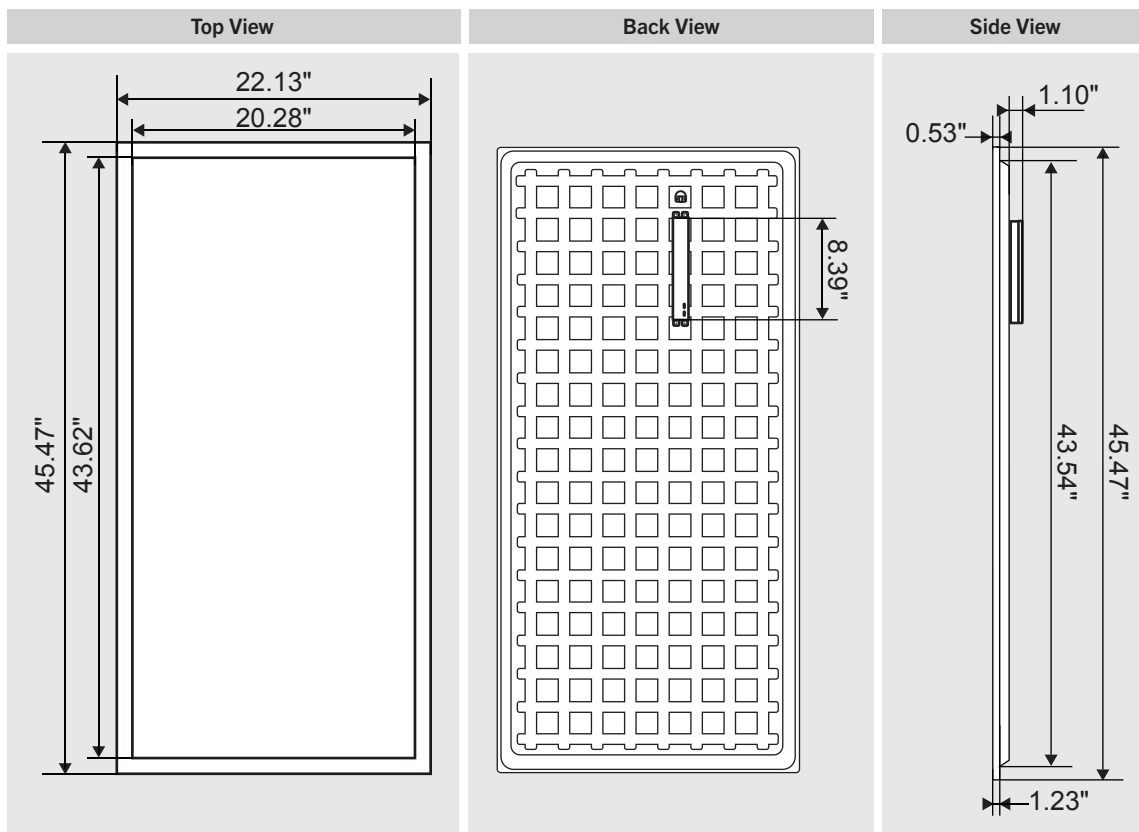
PHOTOMETRIC SPECIFICATIONS

Cd: 1,670, 90%
Cd: 1,484, 80%
Cd: 1,299, 70%
Cd: 1,113, 60%
Cd: 928, 50%
Cd: 742, 40%
Cd: 556, 30%
Cd: 371, 20%
Cd: 186, 10%

120º H
119º H
116º H
115º H

Zone	Lumens	% Luminaire
0-60	4,349.9	77.8%
60-90	1,240.4	22.2%
0-90	5,590.3	99.9%
90-180	2.7	0.05%
0-180	5,493.0	100%

NOTE: Charts are represeneted by 5000K

PHYSICAL SPECIFICATIONS

WEIGHT INFORMATION

Top View	Back View	Side View

Top View

22.13"
20.28"
45.47"
43.62"

Back View

8.39"

Side View

1.10"
0.53"
43.54"
45.47"
1.23"

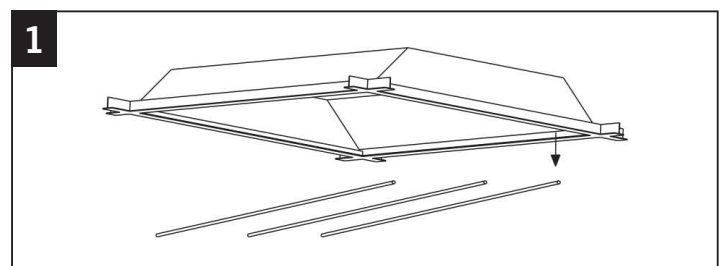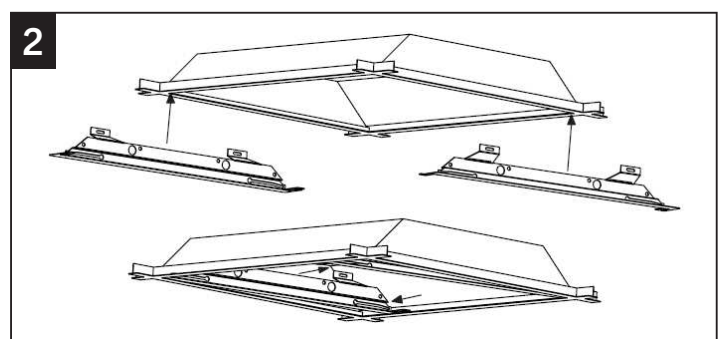| 1 Piece |
| --- |
| 12.5 lbs |

INSTALLATION INSTRUCTIONS

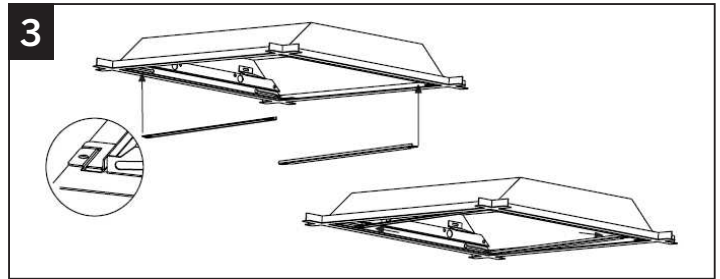Always turn off the power supply from main circuit breaker first!

1. Dismantle accessories from the original housing (ballast, fluorescent tube, sockets, bracket and other accessories that may interfere the installation). Note: The original housing must be retained in place. Reserve the L&N wire of original housing to connect retrofit kit in later step. Plug previous holes from ballast with appropriate screws and nuts.
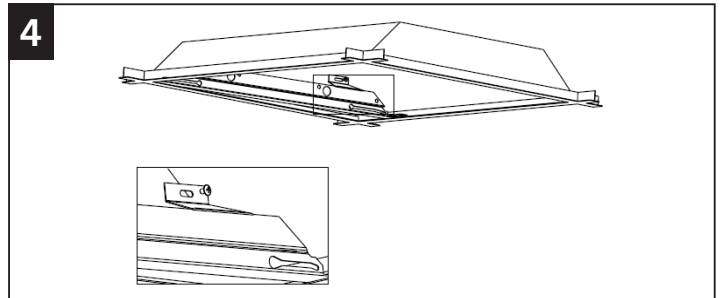

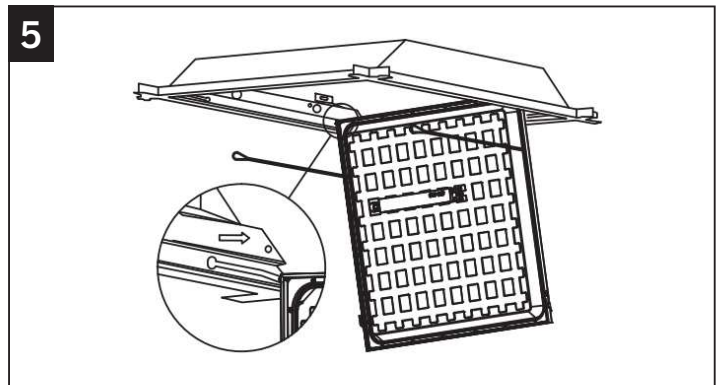2. Insert the two brackets into the clearance between the housing and T-grid.

3. Insert the two side bars into the clearance between the brackets and the T-grid.
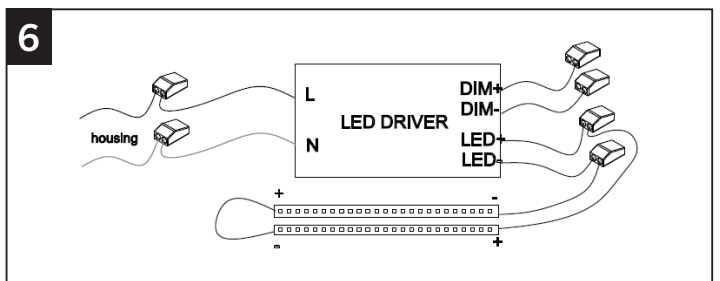
3

4. Using the included self-tapping screws, use electronic screwdriver to secure brackets into place through bracket mounting holes from inside of the fixture. Caution: Luminaire wiring and electrical parts may be damaged when drilling for installation of LED retrofit kit. Ensure that enclosed wiring and components have not been damaged.
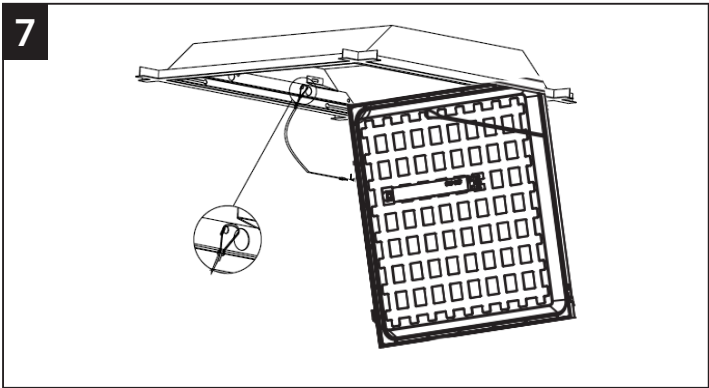
4

5. Embed the rotary screws on the edge of the panel into the bracket chutes. Push to the end in the direction of chutes to secure panel.
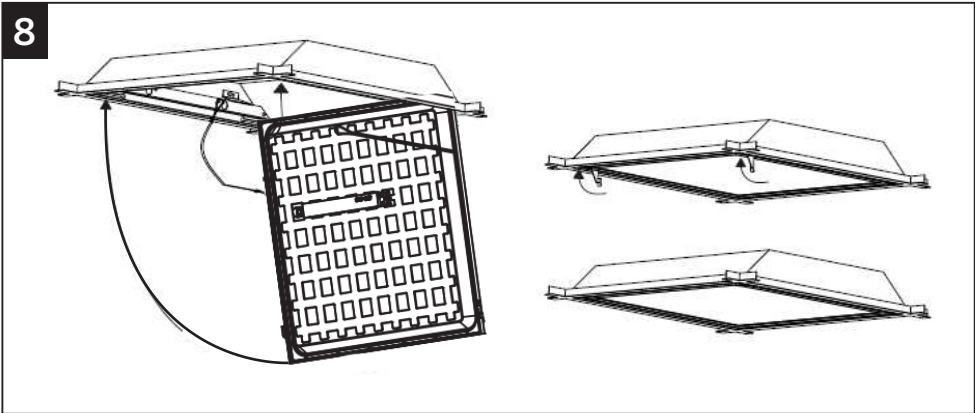
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6. Connect L&N wire from original housing to the driver of the retrofit using appropriate connectors. If using 0-10V dimmer, connect DIM+,DIM- to 0-10V dimmer wires. Connect the green ground wire of the retrofit kit to the fixture with a wiring cap to ensure grounding safety.

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housing
L
N
LED DRIVER
DIM+
DIM-
LED+
LED-

7. Attach clips from the retrofit kit to the brackets.

7

8. Close the retrofit kit door into the fixture and rotate the clips to secure the door closed.

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COMPONENT SUMMARY

CATALOG NUMBER	QUANTITY
LED Module including - LED Driver/Power Supply and LED Array (Not Field Replaceable)	1
Mounting Bars	2
Mounting Brackets	2
Installation Instructions	1
Luminaire Marking Labels	1
Miscellaneous Hardware include 4 pcs M4.6*13 screws	1